

ABSTRACT

Please delete the abstract and replace as follows:

A fan including a plurality of spaced fan bodies that rotate in a substantially cylindrical cavity having inlet and outlet openings for tangential intake and discharge of the fluid, the fan bodies comprising substantially disc-shaped bodies that extend in a substantially radial direction from the shaft and are positioned on the shaft such that the shaft runs through the centre of the fan bodies and in such a manner that a void is formed between two neighbouring fan bodies, and wherein each fan body is connected to the shaft or to a spacer only, and wherein the fan bodies are provided with flow elements on both of their radially extending faces, the flow elements consisting of curved projections, the curved projections being curved forwardly as compared to the direction of rotation of the fan bodies and the curved projections extending between two imaginary circles on the fan bodies' radially extending faces having radii r_1 and r_2 respectively, wherein $r_1 < r_2$, the radius r_1 is larger than the outer radius of the shaft or the outer radius of spacers if spacers are provided, and r_2 is substantially coincident with the fan bodies' circumference.